

ELDER BILL BETTIS, from Oklahoma, puts the finishing touches on a special vacuum caner the Boyles Bros. Drilling Company of Salt Lake City, built from an idea they got m Provo City's street cleaning vacuum. It will be used in the four-mile Strawberry quaduct tunnel now under construction. Bill Marrs, tunnel superintendent swings the om far to the side. (Herald staff photo by Jerry Young)

Provo's Gutter Cleaner Inspires Device to Speed Up Construction By JERRY YOUNG That great green monster to power the whole thing. It is ucks away leaves and oris from city gutters has pired a new device which the yles Bros. Drilling Company is just started using to conuct the Strawberry Aqueduct. The dectric motor runs on the way the designer talked thing would be an easy thing to do. The hard part is over. So, to ay, the Boyles company has a new piece of equipment would use if it was wired for 220 they can use to save time and money. When they started into

uct the Strawberry Aqueduct.
The same company is using a giant mechanical mole to the through the sandstone,

re through the sandstone, ale or conglomerate rock by've found as they've drilled lighly three of the four mile le. Every 500 feet they stop to an up, set in the steel rein-cing and pour the sub-invert, floor.

Hand Shoveling

The cleaning detail is by far most tedious. Three, some-

and the first model will an additional 10 tons of cks and muck. Near the rear the car, on a platform bethe car, on a platform bethe car, on a platform bethe same the \$75,000, they were quoted by another company to build the same thing.

The only thing they have to connection box where they do now is modify the experi-

for electric stoves or heating); or about 8 times the amount used by a house wired for 110 (for general lighting, television,

The two giant fans turn at a speed of 3,600 RPM's and because they run inside a compartment that gets smaller and smaller, there is not only movement of air, but compression as

Sucks Anything se most tedious. Three, somenes four shifts of 19 men have get in and shovel out the car, with the attached hose can suck up anything that gets can pass through the eightinch hose. In a test outside the welding shed where it was built, the vacuum car sucked up a ovo was using a suction deve to clean gutters, they inected it, and turned the matover to their machine design. Paul Sherrick. He built a ceial suction car to meet a need. The whole works in be hauled into the 13 foot in be hauled into the 13 foot in be houled into the lactric wered trains.

The car itself weighs 10 tons of the clear itself weighs 10 tons of the control of the c

they can use to save time and money. When they started into the mountain just northeast of

the mountain just northeast of the Strawberry Reservoir, they didn't have any such thing They will inish the last mile of the tunnel on schedule, this November about a year from the time they started.

But the last mile is going to go a little faster, as will all the other miles the company will dril' in the future. And they owe it all to having seen and studied the Provo City green monster as it wheeled around town, wheezing and whistling town, wheezing and whistling going about its own mundane

y Noon Marines et Alarm

vil Defense attack warning

County. unities are reminded of the firemen, so that they will unding the alert for a fire. Civil director, said the exclusion will be successful. The south near Saigon, U.S. troops killed 76 Communist three purposes: to test the liarize residents of the area n, and to ascertain any porh the attack warning signal

f three to five minutes of irens. The exercise will not

pringville ctivities Morning

SPRINGVILLE -- Dr. Curtis Val Alfen, assistant dean of the College of Education at BYU, will be the guest speaker Tuesday at the third annual business-education breakfast sored by the Springville Cham-

ber of Commerce. Invitations have been extended all teachers in the Springville and Mapleton schools to

Drive VC From Base

SAIGON (UPI) - Attacking Viet Cong commandos cut through the barbed wire around he sirens at all fire depart-mmunities will be sounded u.S. Marine base and planted the Communist flag inside the American camp before defen-

> U.S. troops killed 76 Communist troops in a seven-hour battle involving helicopters, jets and artillery.

American infantrymen Sunday pushed the last 1,000 yards to the wreckage of a crashed on the part of the general U.S. helicopter and found the bodies of eight Americans, including Associated Press Photographer Oliver Noonan, 29, of Norwell, Mass.

The American troops had fought for six days to reach the helicopter, shot down last Monday.

It was the second Viet Cong attack on the Marine base at the outskirts of Da Nang in seven months. As the 10-man cut commando squad barbed wire and charged, tossing explosive charges in bags, the Marines called in U.S. fighter bombers from Da Nang

airbase. The Viet Cong managed to plant their own flag beside a U.S. bunker before they were driven out of the enclosure by gunfire. One Marine was killed and three wounded in the 90 minutes of fighting. Five Viet Cong were killed and two

captured. Communist troops ambushed a U.S. 4th Infantry Division Highway 19 near An Khe 260 miles northeast of Saigon. The Communist force of 20 men fired small arms and rocket-propelled grenades and the Americans fought back with heavy machine guns mounted on armored personnel carriers and called in artillery strikes.

and called in artillery strikes. Two Americans were killed and four wounded. The Communist losses were undetermined.



TAKE A BREAK FROM the at the Ohio State Fair in Col Holler and her pup, seems to cone. Since the Ohio State Fai perfect and crowds are at reco

Rock Analysis Indica

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